

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047695.D  
 Acq On : 10 Dec 2020 6:07  
 Operator : CG/JU  
 Sample : L4941-16  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B41

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:48 AM

Quant Time: Dec 10 08:07:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 07:18:14 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.21  | 152  | 35017    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.04 | 136  | 138511   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.84 | 164  | 115653   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 294217   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.85 | 240  | 269087   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.22 | 264  | 287986   | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| System Monitoring Compounds    |       |     |         |       |       |       |
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 1408    | 2.14  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.36  | 99  | 34931   | 11.66 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 18780   | 12.19 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.74  | 132 | 27133   | 11.94 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 25770   | 10.83 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 13526   | 11.98 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 15893   | 11.67 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 34215   | 11.58 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 30764   | 11.33 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 114646  | 11.41 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 140099  | 12.21 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 15.01 | 143 | 14491   | 9.73  | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.82 | 176 | 109515  | 11.84 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 15320   | 7.69  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.67 | 188 | 179695m | 12.24 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.94 | 212 | 211519  | 13.30 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 24.98 | 264 | 207771  | 12.35 | ng/ul | 0.00  |

|                                |       |     |         |        |        |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| Target Compounds               |       |     |         | Ovalue |        |    |
| 6) Phenol                      | 7.38  | 94  | 6239    | 2.204  | ng/ul# | 76 |
| 45) Dimethylphthalate          | 14.27 | 163 | 20324   | 1.997  | ng/ul# | 88 |
| 70) Phenanthrene               | 17.62 | 178 | 99508   | 6.240  | ng/ul  | 97 |
| 72) Anthracene                 | 17.70 | 178 | 16013m  | 1.007  | ng/ul  |    |
| 77) Fluoranthene               | 19.61 | 202 | 273914  | 13.500 | ng/ul  | 99 |
| 80) Pyrene                     | 19.97 | 202 | 211258  | 10.795 | ng/ul  | 99 |
| 83) Benzo(a)anthracene         | 21.83 | 228 | 113552  | 5.907  | ng/ul  | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.71 | 149 | 11742   | 1.285  | ng/ul  | 97 |
| 85) Chrysene                   | 21.90 | 228 | 134096m | 7.391  | ng/ul  |    |
| 88) Benzo(b)fluoranthene       | 24.14 | 252 | 163860m | 8.151  | ng/ul  |    |
| 89) Benzo(k)fluoranthene       | 24.20 | 252 | 60331   | 3.028  | ng/ul  | 98 |
| 91) Benzo(a)pyrene             | 25.05 | 252 | 99968   | 5.514  | ng/ul# | 97 |
| 92) Indeno(1,2,3-cd)pyrene     | 29.07 | 276 | 67700m  | 3.062  | ng/ul  |    |
| 93) Dibenzo(a,h)anthracene     | 29.11 | 278 | 22207m  | 1.198  | ng/ul  |    |
| 94) Benzo(g,h,i)perylene       | 30.25 | 276 | 61579m  | 3.393  | ng/ul  |    |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

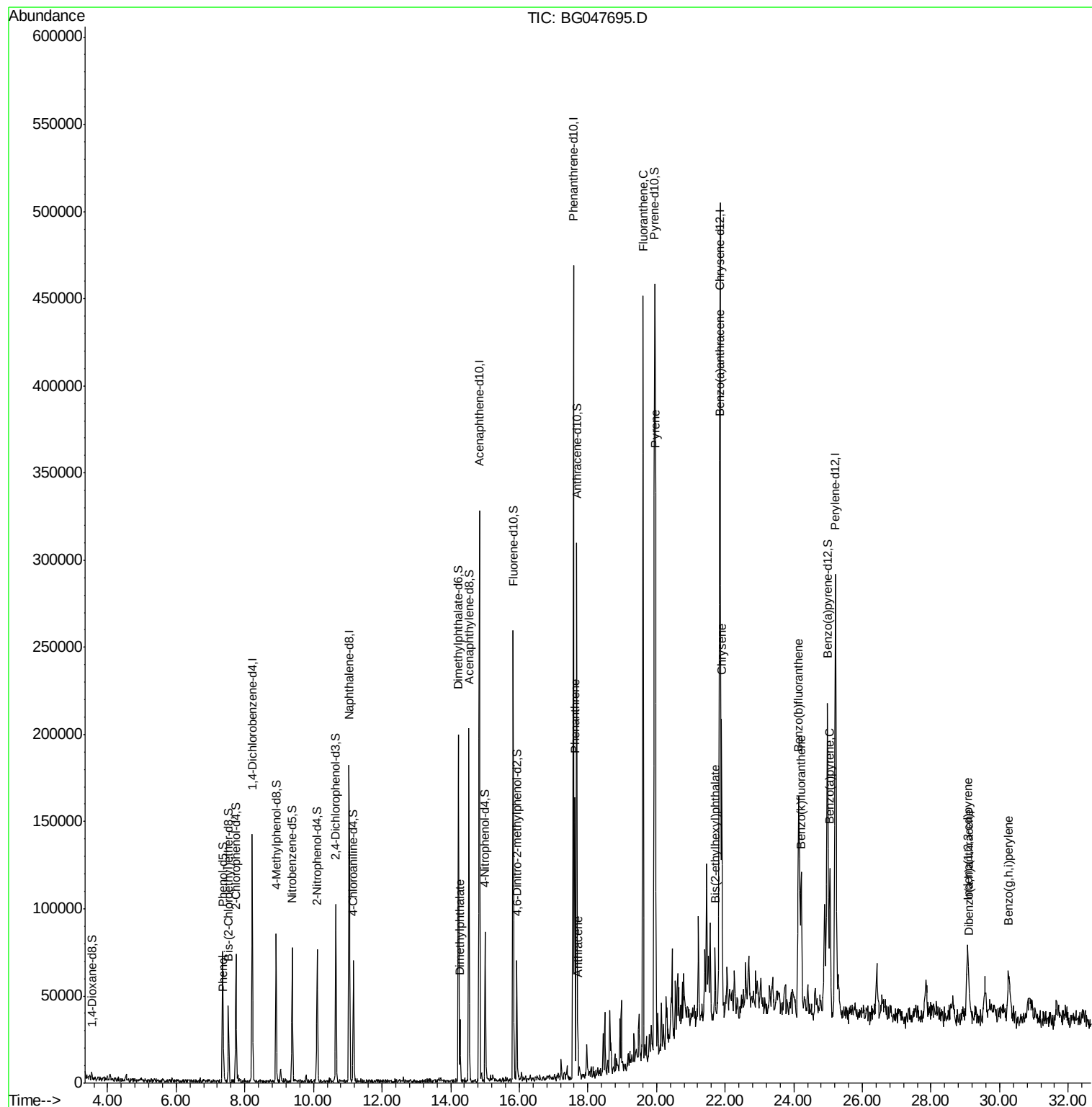
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047695.D  
Acq On : 10 Dec 2020 6:07  
Operator : CG/JU  
Sample : L4941-16  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

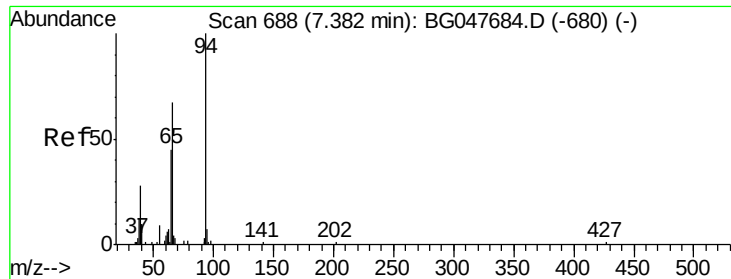
Instrument :  
BNA\_G  
ClientSampleId :  
C0B41

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Quant Time: Dec 10 08:07:42 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 07:18:14 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 2.204 ng/ul

RT: 7.38 min Scan# 688

Delta R.T. 0.00 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

Instrument :

BNA\_G

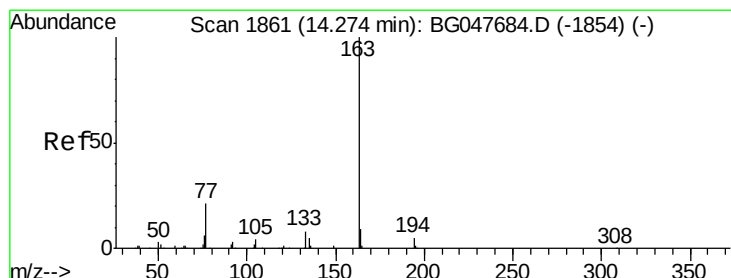
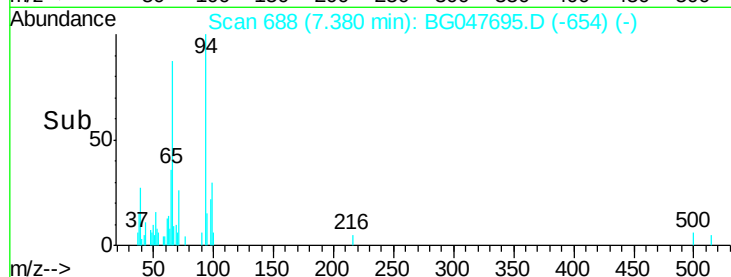
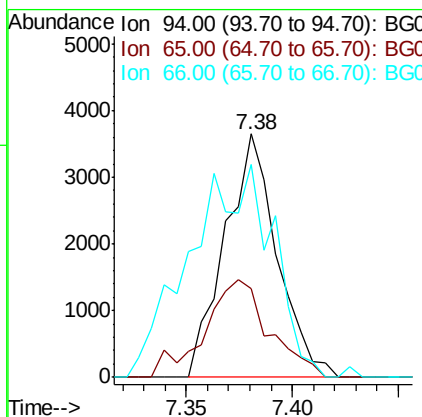
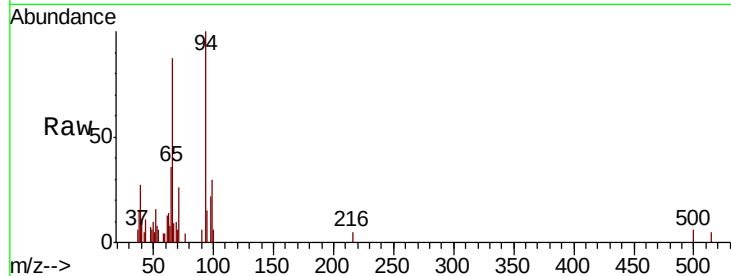
ClientSampleId :

C0B41

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 6239  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 36.3  | 35.9  | 53.9  |
| 66       | 87.4  | 50.1  | 75.1# |

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#45

Dimethylphthalate

Concen: 1.997 ng/ul

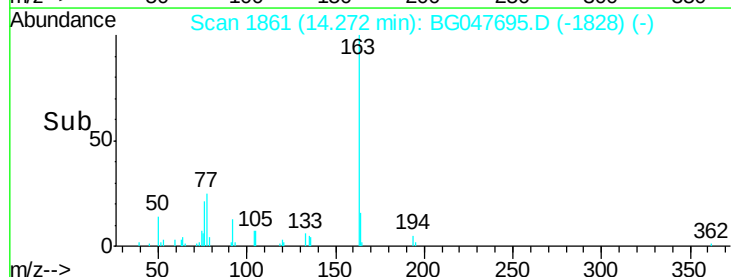
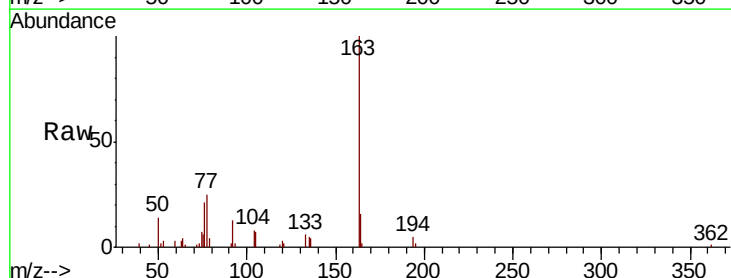
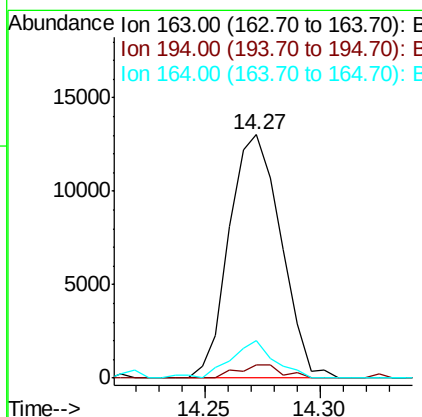
RT: 14.27 min Scan# 1861

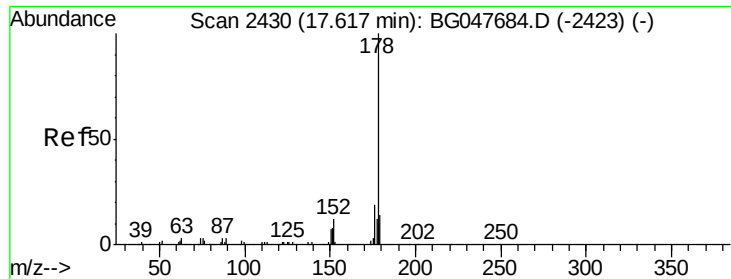
Delta R.T. -0.01 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 20324 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 5.2   | 3.9   | 5.9   |
| 164      | 15.6  | 7.4   | 11.2# |





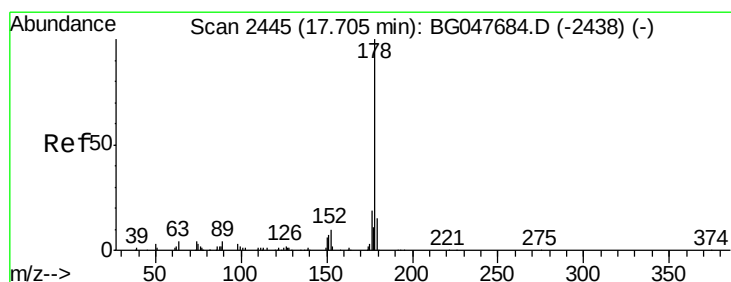
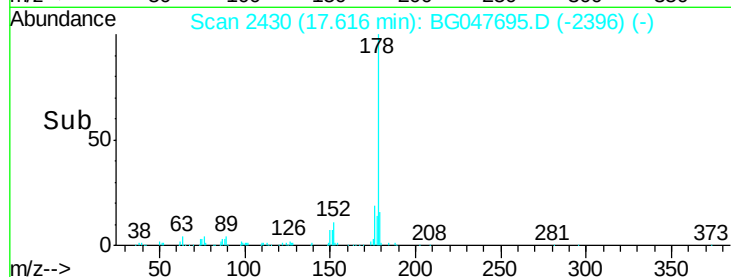
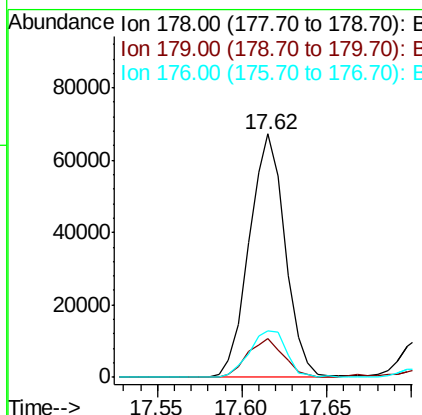
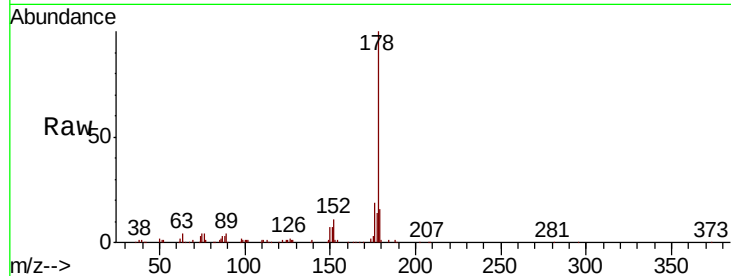
#70  
Phenanthrene  
Concen: 6.240 ng/ul  
RT: 17.62 min Scan# 2430  
Delta R.T. 0.00 min  
Lab File: BG047695.D  
Acq: 10 Dec 2020 6:07

Instrument :  
BNA\_G  
ClientSampleId :  
C0B41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.1  | 11.6  | 17.4  |
| 176     | 19.1  | 15.8  | 23.8  |

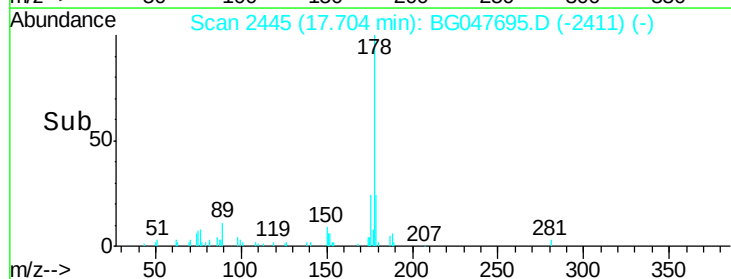
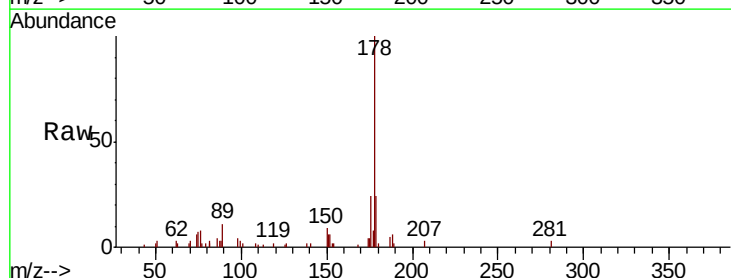
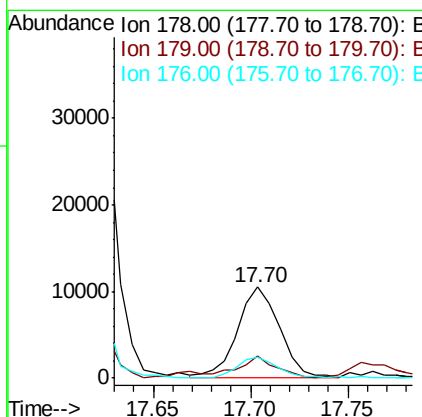
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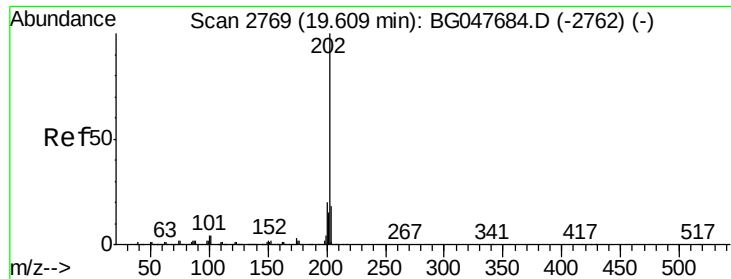
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#72  
Anthracene  
Concen: 1.007 ng/ul m  
RT: 17.70 min Scan# 2445  
Delta R.T. 0.00 min  
Lab File: BG047695.D  
Acq: 10 Dec 2020 6:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 24.0  | 14.2  | 21.2# |
| 176     | 23.5  | 16.7  | 25.1  |





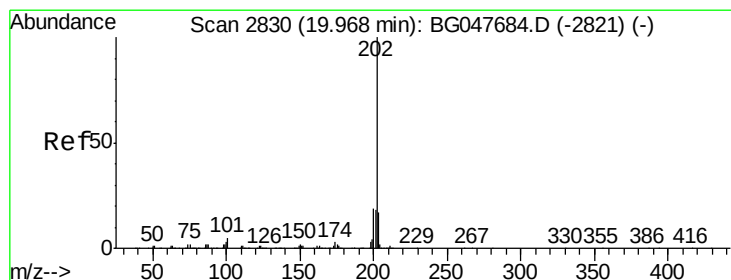
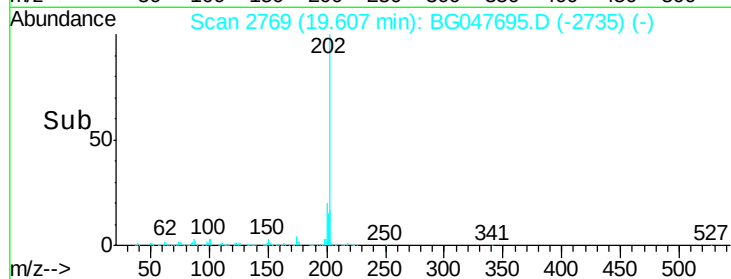
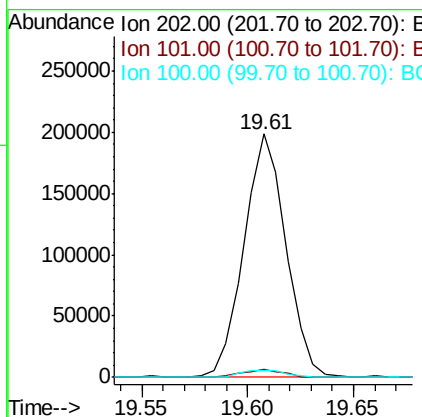
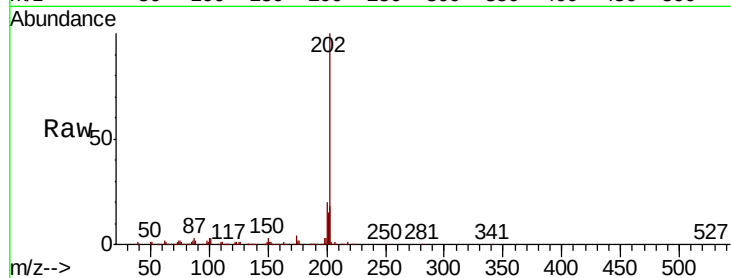
#77  
 Fluoranthene  
 Concen: 13.500 ng/ul  
 RT: 19.61 min Scan# 2769  
 Delta R.T. 0.00 min  
 Lab File: BG047695.D  
 Acq: 10 Dec 2020 6:07

Instrument :  
 BNA\_G  
 ClientSampled :  
 C0B41

| Tot Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 202     | 100 |       | 273914 |       |       |
| 101     | 3.1 | 2.4   | 3.6    |       |       |
| 100     | 2.7 | 2.6   | 3.8    |       |       |

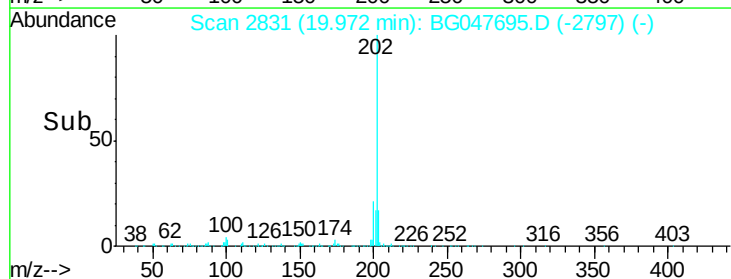
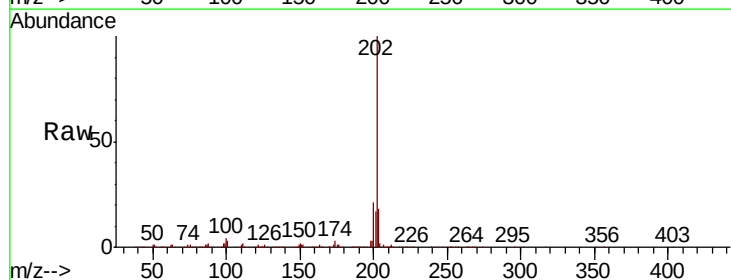
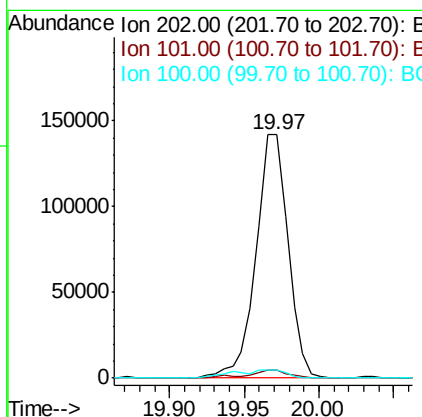
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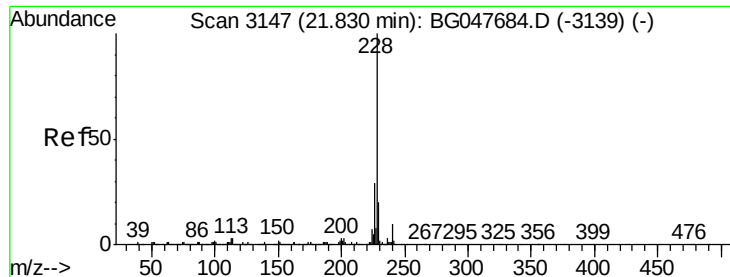
mohammad  
 12/10/2020 8:38:48 AM



#80  
 Pyrene  
 Concen: 10.795 ng/ul  
 RT: 19.97 min Scan# 2831  
 Delta R.T. 0.00 min  
 Lab File: BG047695.D  
 Acq: 10 Dec 2020 6:07

| Tgt Ion | Ion | Ratio | Resp   | Lower | Upper |
|---------|-----|-------|--------|-------|-------|
| 202     | 100 |       | 211258 |       |       |
| 101     | 3.4 | 2.5   | 3.7    |       |       |
| 100     | 3.5 | 2.4   | 3.6    |       |       |





#83

Benzo(a)anthracene

Concen: 5.907 ng/ul

RT: 21.83 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

Instrument :

BNA\_G

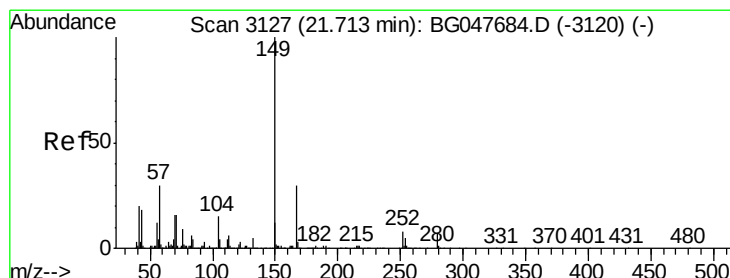
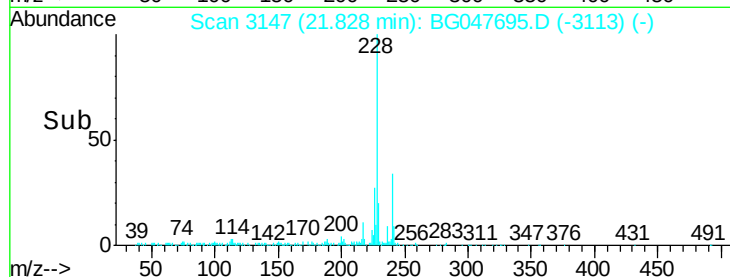
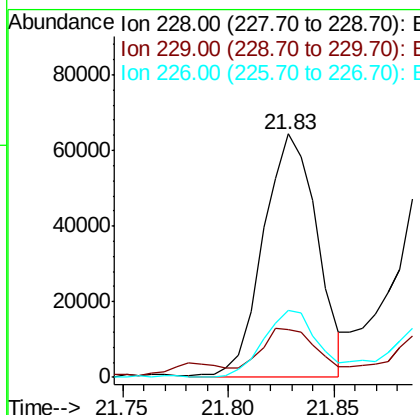
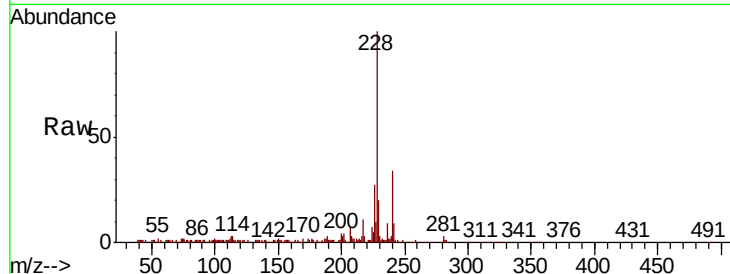
ClientSampleId :

C0B41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 113552 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 19.8  | 16.0  | 24.0   |
| 226       | 27.4  | 22.4  | 33.6   |

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#84

Bis(2-ethylhexyl)phthalate

Concen: 1.285 ng/ul

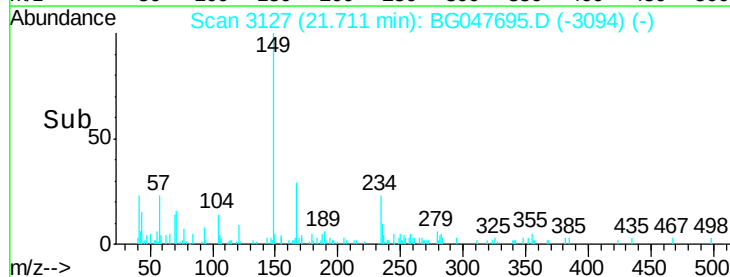
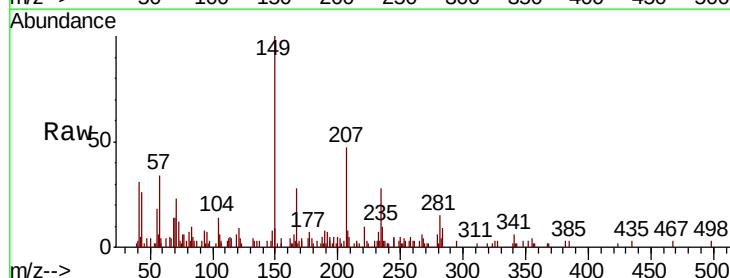
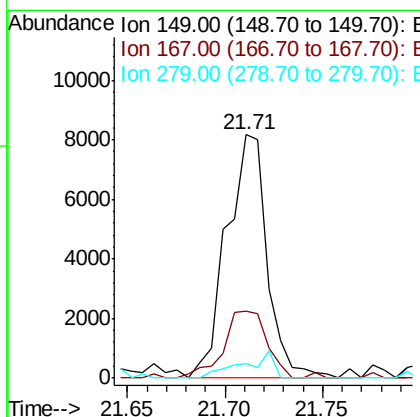
RT: 21.71 min Scan# 3127

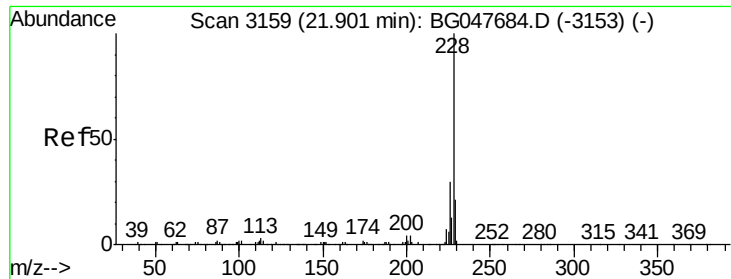
Delta R.T. -0.01 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 11742 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 27.8  | 23.8  | 35.6  |
| 279       | 5.8   | 5.3   | 7.9   |





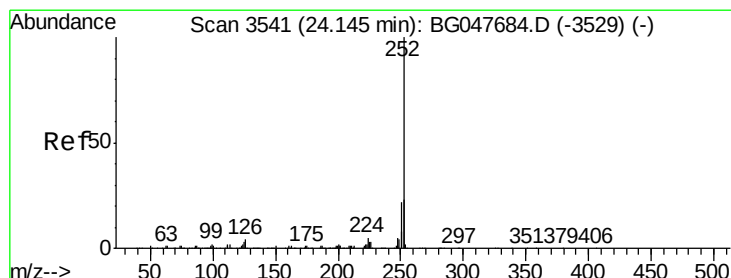
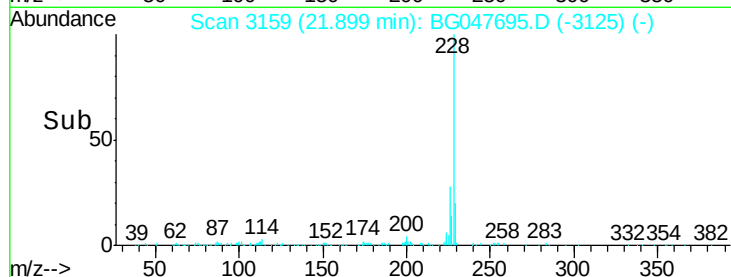
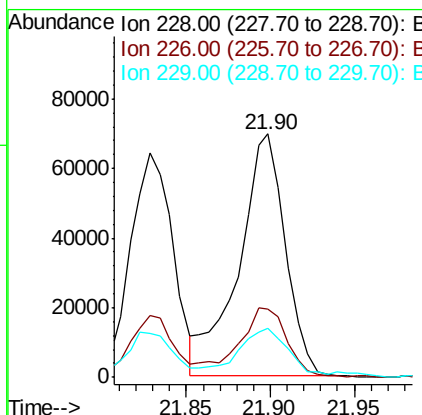
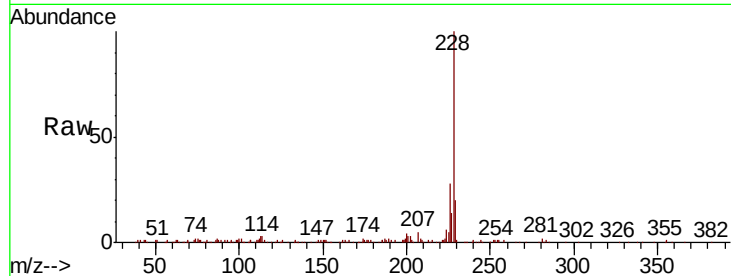
#85  
Chrysene  
Concen: 7.391 ng/ul m  
RT: 21.90 min Scan# 3159  
Delta R.T. 0.00 min  
Lab File: BG047695.D  
Acq: 10 Dec 2020 6:07

Instrument :  
BNA\_G  
ClientSampleId :  
C0B41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.8  | 23.0  | 34.4  |
| 229     | 20.3  | 15.8  | 23.8  |

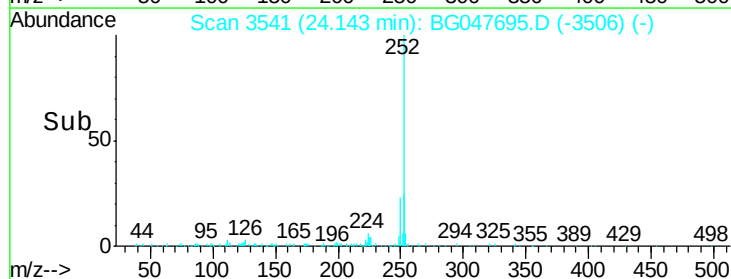
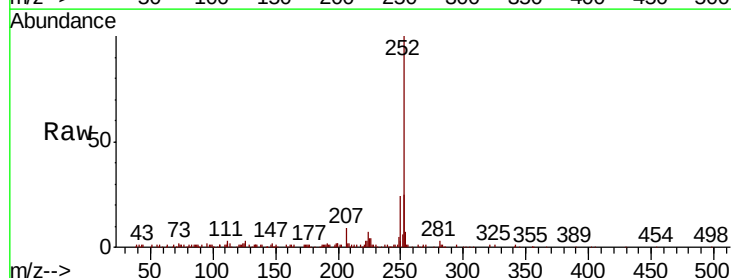
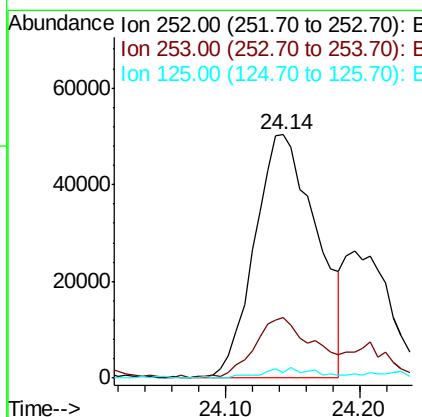
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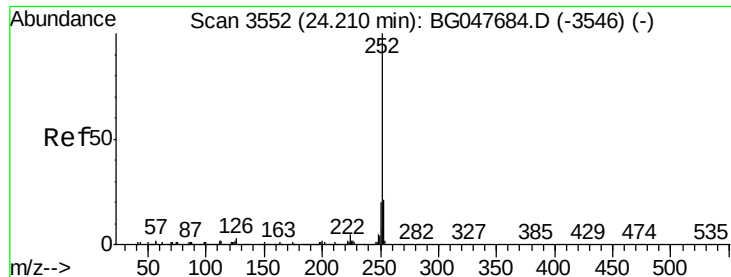
mohammad  
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#88  
Benzo(b)fluoranthene  
Concen: 8.151 ng/ul m  
RT: 24.14 min Scan# 3541  
Delta R.T. 0.01 min  
Lab File: BG047695.D  
Acq: 10 Dec 2020 6:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.8  | 18.7  | 28.1  |
| 125     | 2.3   | 2.6   | 3.8#  |





#89

Benzo(k)fluoranthene

Concen: 3.028 ng/ul

RT: 24.20 min Scan# 3550

Delta R.T. -0.01 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

Instrument :

BNA\_G

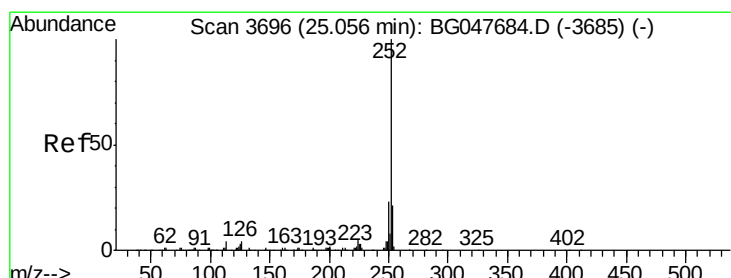
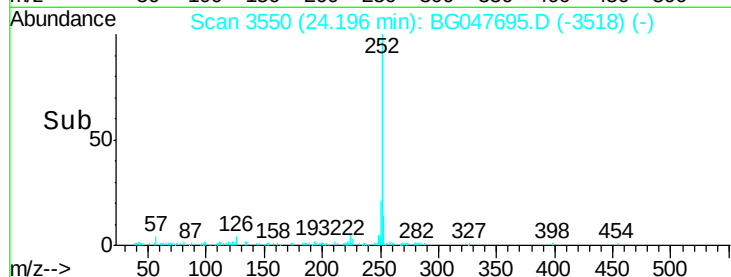
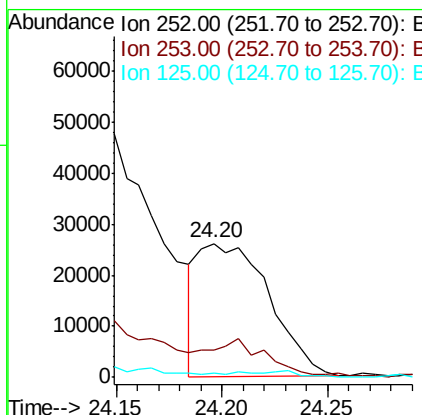
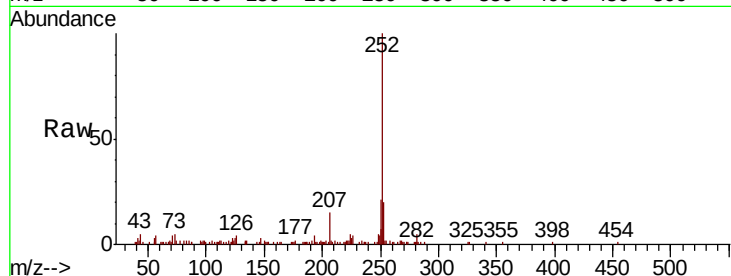
ClientSampleId :

C0B41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 60331 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 20.0  | 16.9  | 25.3  |
| 125       | 3.0   | 2.2   | 3.4   |

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#91

Benzo(a)pyrene

Concen: 5.514 ng/ul

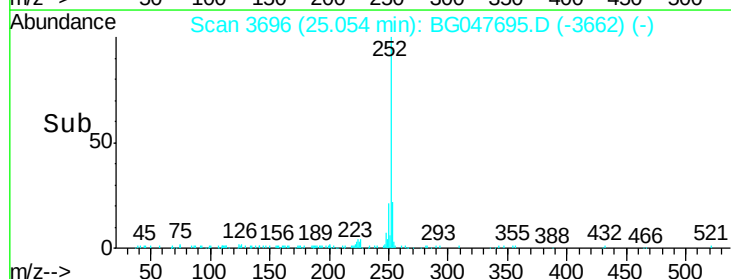
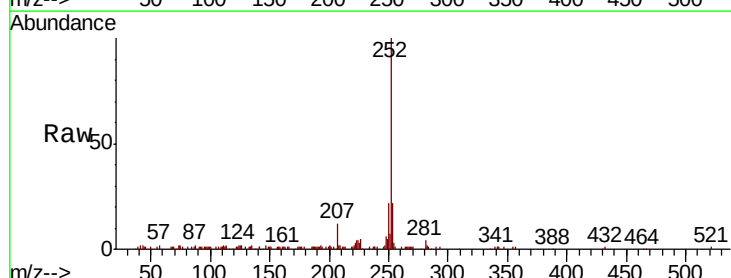
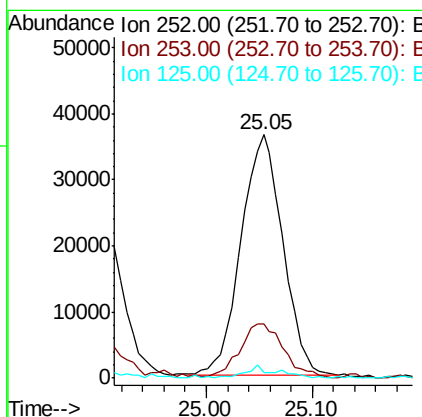
RT: 25.05 min Scan# 3696

Delta R.T. 0.00 min

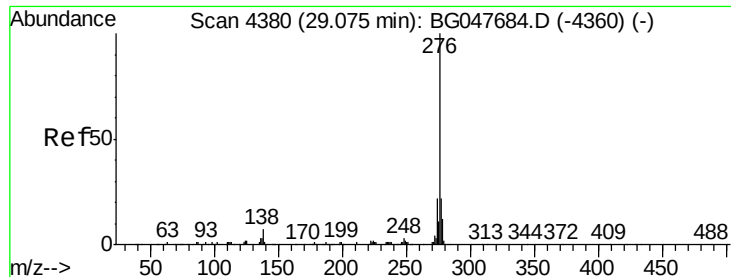
Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 99968 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.3  | 16.9  | 25.3  |
| 125       | 2.3   | 2.6   | 3.8#  |







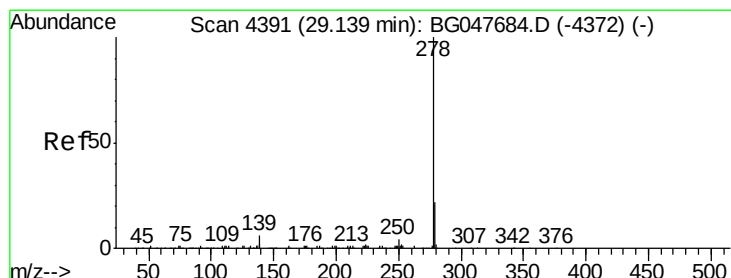
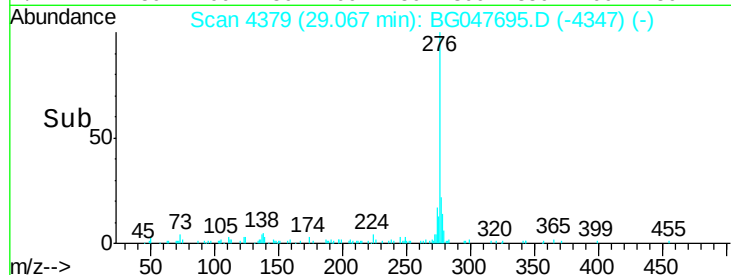
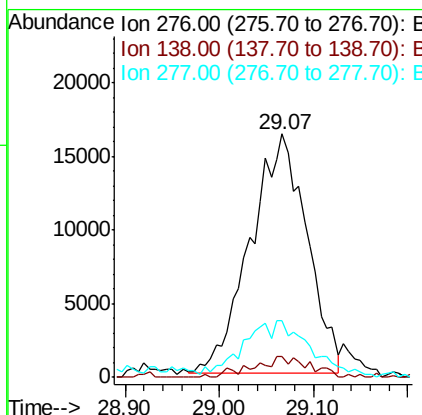
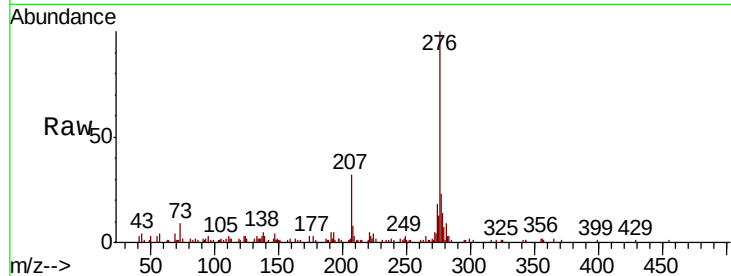
#92  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.062 ng/ul m  
 RT: 29.07 min Scan# 4379  
 Delta R.T. -0.01 min  
 Lab File: BG047695.D  
 Acq: 10 Dec 2020 6:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 5.3   | 3.3   | 4.9#  |
| 277     | 23.5  | 18.6  | 27.8  |

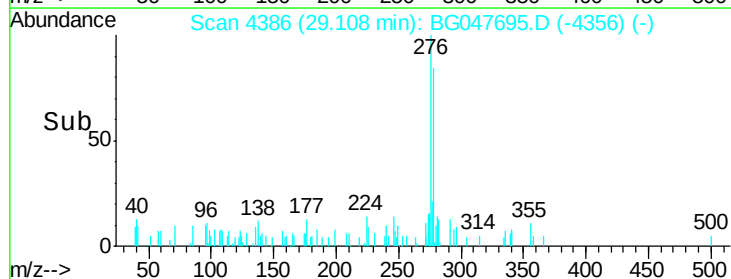
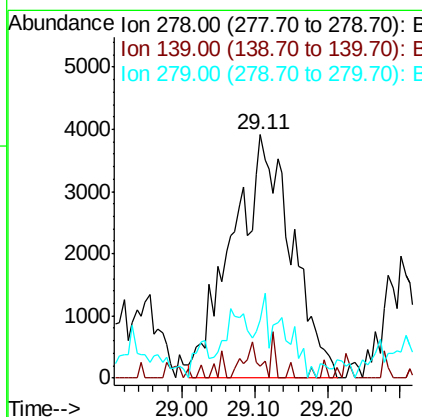
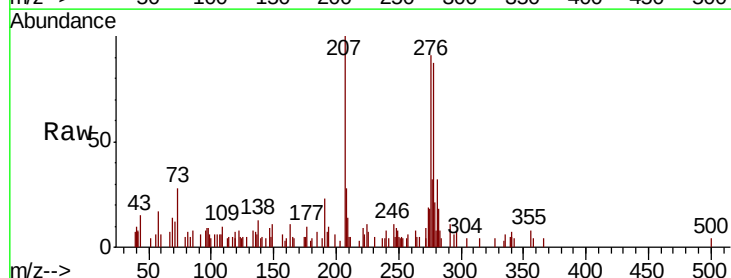
Manual Integrations  
 APPROVED

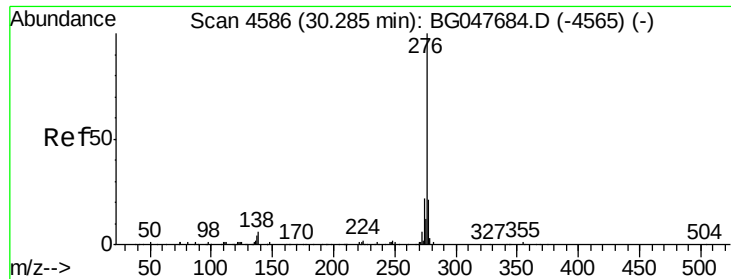
mohammad  
 12/10/2020 8:38:48 AM



#93  
 Dibenzo(a,h)anthracene  
 Concen: 1.198 ng/ul m  
 RT: 29.11 min Scan# 4386  
 Delta R.T. -0.02 min  
 Lab File: BG047695.D  
 Acq: 10 Dec 2020 6:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 5.1   | 3.3   | 4.9#  |
| 279     | 23.7  | 18.5  | 27.7  |





#94

Benzo(a,h,i)perylene

Concen: 3.393 ng/ul m

RT: 30.25 min Scan# 4580

Delta R.T. -0.02 min

Lab File: BG047695.D

Acq: 10 Dec 2020 6:07

Instrument :

BNA\_G

ClientSampleId :

C0B41

Tot Ion: 276 Resp: 61579

Ion Ratio Lower Upper

276 100

138 7.8 4.7 7.1#

277 21.8 21.9 32.9#

Manual Integrations  
APPROVED

mohammad  
12/10/2020 8:38:48 AM

